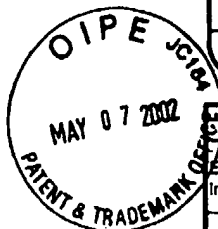


PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
a collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |    |   |                          |                       |
|---|---|----|---|--------------------------|-----------------------|
| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   |    |   | <b>Complete if Known</b> |                       |
|   |   |    |   | Application Number       | 10/054,019            |
|   |   |    |   | Filing Date              | January 22, 2002      |
|   |   |    |   | First Named Inventor     | Armen M. Boldi, et al |
|   |   |    |   | Group Art Unit           | Not Known             |
|   |   |    |   | Examiner Name            | Not Known             |
| Sheet   | 1 | of | 3 | Attorney Docket Number   | 020505-01-CFP         |




## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

|                       |   |                    |         |
|-----------------------|---|--------------------|---------|
| Examiner<br>Signature |  | Date<br>Considered | 5/14/03 |
|-----------------------|---|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Please type a plus sign (+) inside this box → ☐

PTO/SB/088 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |   |    |   |                          |                       |
|---|---|----|---|--------------------------|-----------------------|
| Substitute for form 1449B/PTO   |   |    |   | <b>Complete if Known</b> |                       |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    |   | Application Number       | 10/054,019            |
|   |   |    |   | Filing Date              | January 22, 2002      |
|   |   |    |   | First Named Inventor     | Armen M. Boldi, et al |
|   |   |    |   | Group Art Unit           | Not Known             |
|   |   |    |   | Examiner Name            | Not Known             |
| Sheet   | 2 | of | 3 | Attorney Docket Number   | 020505-01-CFP         |



| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS |                          |   |                |
|---|--------------------------|---|----------------|
| Examiner<br>Initials                              | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| EB  |                          | REETZ, et al, "A Highly Active Phosphine-free Catalyst System for Heck Reactions of Aryl Bromides", Tetrahedron Letters 39, 1998, pp 8449-8452.   |                |
| Φ   |                          | YU, et al, "Process Optimization in the Synthesis of 9-[2-(Diethylphosphonomethoxy)ethyl]adenine: Replacement of Sodium Hydride with Sodium tert-Butoxide as the Base for Oxygen Alkylation", Organic Process Research & Development, 1999, 3, pp 53-55.        |                |
| TA  |                          | ABDEL-MAGID, et al, "Reductive Amination of Aldehydes and Ketones by Using Sodium Triacetoxyborohydride", Tetrahedron Letters, 1990, Vol. 31, No. 39, pp 5995-5998.   |                |
| TR  |                          | ABDEL-MAGID, et al, "Reductive Amination of Aldehydes and Ketones with Sodium Triacetoxyborohydride. Studies on Direct and Indirect Reductive Amination Procedures", J. Org. Chem, 1996, 61, pp 3849-3862.  |                |
| BA  |                          | LOVE, et al, "A Comparison of Imine Forming Methodologies", Organic Preparations and Procedures, Int., 31(4), 1999, pp 399-405.   |                |
| ΦB  |                          | HICKS, et al, "Removal of Boric Acid and Related Compounds From Solutions of Carbohydrates With a Boron-Selective Resin (IRA-743), Carbohydrate Research, 147, (1986); pp 39-48.  |                |
| CR  |                          | REPIC, Principles of Process Research and Chemical Development in the Pharmaceutical Industry, Wiley; New York, NY; 1998; pp 71-74. <del>COPY TO FOLLOW</del>   |                |
| TD  |                          | KALDOR, et al, "Use of Solid Supported Nucleophiles and Electrophiles for the Purification of Non-Peptide Small Molecule Libraries", Tetrahedron Letters, 1996, Vol. 37, No. 40, pp 7193-7196.  |                |
| PD  |                          | HODGES, John C., "Covalent Scavengers for Primary and Secondary Amines", Synlett, 1999, No. 1, pp 152-158.  |                |
| ΦD  |                          | GAYO, et al, "Ion-Exchange Resins for Solution Phase Parallel Synthesis of Chemical Libraries", Tetrahedron Letters, 1997, Vol. 38, No. 4, pp 513-516.  |                |
| TD  |                          | BOOTH, et al, "Solid-Supported Reagent Strategies for Rapid Purification of Combinatorial Synthesis Products", Acc. Chem. Res., 1999, 32, pp 18-26.   |                |

|                       |  |                    |         |
|-----------------------|--|--------------------|---------|
| Examiner<br>Signature |  | Date<br>Considered | 5/14/03 |
|-----------------------|--|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/088 (08-00)  
Approved for use through 10/31/2002 OMB 0851-0031  
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                       |    |   |                          |  |
|---|-----------------------|----|---|--------------------------|--|
| Substitute for form 1449B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |                       |    |   | <b>Complete if Known</b> |  |
| Application Number  | 10/054,019            |    |   |                          |  |
| Filing Date   | January 22, 2002      |    |   |                          |  |
| First Named Inventor  | Armen M. Boldi, et al |    |   |                          |  |
| Group Art Unit  | Not Known             |    |   |                          |  |
| Examiner Name   | Not Known             |    |   |                          |  |
| Attorney Docket Number  | 020505-01-CFP         |    |   |                          |  |
| Sheet   | 3                     | of | 3 |                          |  |

O I P E  
MAY 07 2002  
PATENT & TRADEMARK OFFICE

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials <sup>1</sup>                    | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
| (P)   |                       | WEIDNER, et al, "Polymer-assisted solution phase synthesis: a general method for sequestration of byproducts formed from activated acyl-transfer reactants", Tetrahedron Letters 40, 1999, pp 239-242,  |                |
| (D)   |                       | KRUEGER, et al, "Solution-Phase Library Synthesis of Furanoses", Journal Combinatorial Chemistry, April 9, 2002; pp A-J,  |                |
| (D)   |                       | KALLUS, et al, "Combinatorial Solid-Phase Synthesis Using D-Galactose as a Chiral Five-Dimension-Diversity Scaffold", Tetrahedron Letters 40, 1999; pp 7783-7786,   |                |
| (P)   |                       | TRONCHET, et al, "Analogues of Blocked Disaccharides bearing an N-Hydroxyimino and Nitroxyl Free Radicals thereof", J. Chem. Research (S), 1989, pp 334.  |                |
| (D)   |                       | MOORE, et al, "Dipolar Cycloaddition Reaction on a Soluble Polymer-Supported Dipolarophile: Synthesis of Sugar-derived Triazoles", Tetrahedron Letters 39 (1998), pp 7027-7030.   |                |
| (B)   |                       | HOLLINGSWORTH, et al, "Toward a Carbohydrate-Based Chemistry: Progress in the Development of General-Purpose Chiral Synthons from Carbohydrates", Chem. Rev., 2000, pp A-P.   |                |
| (D)   |                       | HIRSCHMANN, et al, "Development of an Efficient, Regio- and Stereoselective Route to Libraries Based on the -D-Glucose Scaffold", J. Org. Chem. 2000, 65, pp 8307-8316,   |                |
|   |                       | BOLDI, ARMEN N., "Libraries Containing Natural Product Structural Motifs", Presentation at CHI High Throughput Organic Synthesis, San Diego, California, February 15, 2001,   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |

|                    |  |                 |         |
|--------------------|--|-----------------|---------|
| Examiner Signature |  | Date Considered | 5/14/03 |
|--------------------|--|-----------------|---------|

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.